

NEW COMBINATIONS IN MEXICAN MONOCOTS II

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ABSTRACT

New combinations are provided for seven Mexican Spiranthininae (Orchidaceae).

KEY WORDS: Nomenclature, México, Orchidaceae, Spiranthininae

Many problems are apparent in generic delimitation of the subtribe Spiranthininae. Various treatments (Schlechter 1920; Burns-Balogh 1982, 1986; Garay 1982; Szlachetko 1991a, 1991b, 1991c, 1991d, 1992a, 1992b, 1993a, 1993b, 1993c, 1994a, 1994b, 1994c) range from those that are conservative and include only one genus--*Spiranthes*, to others that recognize as many as 40 genera.

We accept the generic delimitation proposed by Burns-Balogh (1982, 1986), with a moderate number of genera, and in order to validate the names of some Mexican monocot species for the publication of *Las Monocotiledóneas Mexicanas, una Sinopsis Florística 1. Lista de Referencia* (A. Espejo & A.R. López-Ferrari, in preparation), the following combinations are proposed:

**BRACHYSTELE HINTONIORUM** (Todzia) Espejo & López-Ferrari, *comb. nov.* BASIONYM: *Galeotiella hintoniorum* Todzia, *Brittonia* 46:332-334, fig. 1. 1994. TYPUS: MEXICO. Nuevo León: Municipio Zaragoza, Cerro Viejo, 1840 m, 20.II.1993, G.B. Hinton, et al. 22636 (AMO,TEX).

**BRACHYSTELE MARKOWSKIANA** (Szlach.) Espejo & López-Ferrari, *comb. nov.* BASIONYM: *Galeotiella markowskiana* Szlach., *Fragm. Florist. Geobot.* 35:61-63, fig. 1, 2e. 1991. TYPUS: MEXICO. Oaxaca: km 58.1 Río de la Y,

in moss on tree in humid pine-oak forest, 2640 m, 12.IX.1976, *O. Suárez, E. Greenwood, & E. Hagsater G-296* (AMO!).

**DEIREGYNE PALLENS** (Szlach.) Espejo & López-Ferrari, *comb. nov.*  
BASIONYM: *Oestlundorchis pallens* Szlach., *Fragm. Florist. Geobot.* 36:30, fig. 2, 5. 1991. TYPUS: MEXICO. Oaxaca: 13.2 miles from Díaz Ordaz on the road to Cuajimaloyas, 19.VIII.1968, *G. Pollard S-126* (SEL).

**DEIREGYNE SHEVIAKIANA** (Szlach.) Espejo & López-Ferrari, *comb. nov.*  
BASIONYM: *Oestlundorchis sheviakiana* Szlach., *Fragm. Florist. Geobot.* 36:29, fig. 2-3. 1991. TYPUS: MEXICO. Chiapas: San Felipe, village near Ciudad las Casas (San Cristóbal), Mt. Huitepec "Ecatepec", 3 miles W of town, *Carlson 1600* (F,SEL).  
*Spiranthes carlsonae* L.O. Williams *ex* Szlach., *Fragm. Florist. Geobot.* 38:114. 1993. *pro. syn.*

**SCHIEDEELLA CONFUSA** (Garay) Espejo & López-Ferrari, *comb. nov.*  
BASIONYM: *Deiregyne confusa* Garay, *Bot. Mus. Leafl.* 28:283, t. 18C. 1980. [25.VI.1982]. *Funkiella durangensis* (Ames & C. Schweinf.) Szlach. var. *confusa* (Garay) Szlach., *Fragm. Florist. Geobot.* 36:20. 1991, "*Funkiella*". TYPUS: MEXICO. Hidalgo: Lagoon of Mezitlán, above the shore between rocks in high grass, 20° 40' N, 98° 51' W, 1600 m, 27.III.1933, *J. González sub E. Oestlund 2194* (AMES!,US).

**SCHIEDEELLA CRENULATA** (L.O. Williams) Espejo & López-Ferrari, *comb. nov.* BASIONYM: *Spiranthes trilineata* Lindl. var. *crenulata* L.O. Williams, *Bot. Mus. Leafl.* 12:236-237. 1946. *Gularia crenulata* (L.O. Williams) Garay, *Bot. Mus. Leafl.* 28:322, t. 28C. 1980. [25.VI.1982]. *Schiedeella trilineata* (Lindl.) Burns-Bal. var. *crenulata* (L.O. Williams) Szlach., *Fragm. Florist. Geobot.* 36:16, fig. 2f. 1991. TYPUS: MEXICO. Puebla: grass field, La Mesa, Necaxa, 20° 11' N, 98° 00' W, 1600 m, 21.II.1932, *F. Froderstrom sub E. Oestlund 2592* (AMES!).

**SCHIEDEELLA PANDURATA** (Garay) Espejo & López-Ferrari, *comb. nov.* BASIONYM: *Deiregyne pandurata* Garay, *Bot. Mus. Leafl.* 28:284, t. 21A. 1980. [25.VI.1982]. *Oestlundorchis pandurata* (Garay) Szlach., *Fragm. Florist. Geobot.* 36:25, fig. 2. 1991. TYPUS: MEXICO. Durango: between Guanceví and Guadalupe y Calvo, 25° 56'-26° 28' N, 105° 56'-105° 36' W, 2000-2400 m, 19.II.1936, *J. González sub E. Oestlund 5018 "5810"* (AMES!).

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